



# Fork and Pull

## Objective for Exercise

- To fork a repository in GitHub
- To make changes to the forked repository and commit the changes
- To create pull requests

*Note: These instructions works on BASH terminal on Windows & Mac terminals.*

## How to fork a repository and commit the fork repository and create a pull request.

Open the link: <https://github.com/romeokienzler/TensorFlow/>

Click 'Fork' and copy the repository in your account.

Copy the SSH Repository Link and clone it locally using:

```
git clone yoursshrepolink
```

```
Skill07@DESKTOP-FR7C17B MINGW64 ~/Downloads/demo_test1 (master)
$ git clone git@github.com:mskill/TensorFlow.git
Cloning into 'TensorFlow'...
remote: Enumerating objects: 125, done.
remote: Total 125 (delta 0), reused 0 (delta 0), pack-reused 125
Receiving objects: 100% (125/125), 205.00 KiB | 290.00 KiB/s, done.
Resolving deltas: 100% (52/52), done.

Skill07@DESKTOP-FR7C17B MINGW64 ~/Downloads/demo_test1 (master)
$ cd TensorFlow
```

Open and edit any file in the editor.

After saving the file,

```
git add .
```

And commit the changes with the message:

```
git commit -m "message"
```

```
Skill07@DESKTOP-FR7C17B MINGW64 ~/Downloads/demo_test1/TensorFlow (master)
$ git add .

Skill07@DESKTOP-FR7C17B MINGW64 ~/Downloads/demo_test1/TensorFlow (master)
$ git commit -m "Made changes in README.md file"
[master 42248f6] Made changes in README.md file
1 file changed, 2 insertions(+)
```

`git push` to make the changes in remote repository

```

skill07@DESKTOP-FR7C17B MINGW64 ~/Downloads/demo_test1/TensorFlow (master)
$ git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 332 bytes | 332.00 KiB/s, done.
Total 3 (delta 2), reused 0 (delta 0)
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
To github.com:mskill/TensorFlow.git
f8b444a..42248f6 master -> master

```

Check the repository, it is added

Branch: master
Go to file
Add file
Code

This branch is 1 commit ahead of romeokienzler:master.
Pull request
Compare

mskill committed 42248f6 4 minutes ago
37 commits
1 branch
0 tags

images	Add files via upload	14 months ago
notebooks	Add files via upload	4 months ago
scripts	Create multi_worker_with_keras_runner.py	5 months ago
LICENSE	Update LICENSE	14 months ago
README.md	Made changes in README.md file	4 minutes ago

README.md

→ Making changes in readme.md file

## What's new in TensorFlow 2.0

Click 'Compare' to compare the changes.


Go to file
Add file
Code

Pull request
Compare

NOTE: This request will go to AUTHOR of the repository and if the changes looks good, only then the original repository can get the changes.

# Comparing changes

Choose two branches to see what's changed or to start a new pull request. If you need to, you can also [compare across forks](#).

 base repository: romeokienzler/TensorFlow ▾


base: master ▾

←

head repository: mskill/TensorFlow ▾

compare: master ▾

✓ **Able to merge.** These branches can be automatically merged.


 **Create pull request**


Discuss and review the changes in this comparison with others.

1 commit

± 1 file changed

0 commit comments

 Commits on Jul 08, 2020

 mskill

Made changes in README.md file

± Showing 1 changed file with 2 additions and 0 deletions.

2 README.md

@@ -1,3 +1,5 @@

1 + Making changes in readme.md file

2 +

1 3 # What's new in TensorFlow 2.0

2 4

3 5 The following are all the changes coming in TensorFlow 2.0. Let's have a closer look at them:

Create a Pull request to make the changes in the original file.

Note: The pull request will now send to the author of the repository and if accepted the changes will be made to the original repository.

## Author(s)

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## Other Contributor(s)

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## Changelog

Date	Version	Changed by	Change Description
2020-08-25	2.0	Lavanya	Migrated Lab to Markdown and added to course repo in GitLab